

WEST Search History

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DATE: Wednesday, August 16, 2006

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=NO; OP=OR</i>	
<input type="checkbox"/>	L8	l1 and (antifungal adj compound)	2
<input type="checkbox"/>	L7	("20050136394")!.ABPN1,NRPN,PN,WKU.	2
<input type="checkbox"/>	L6	l1 same (anti adj fungal adj compound or anti adj fungal adj drug or fungal adj inhibitor)	0
<input type="checkbox"/>	L5	l! near (anti adj fungal adj compound or anti adj fungal adj drug)	0
<input type="checkbox"/>	L4	l2 and (candida or aspergillus)	54
<input type="checkbox"/>	L3	L2 and candida or aspergillus	33940
<input type="checkbox"/>	L2	L1 and (fungi or fungus)	100
<input type="checkbox"/>	L1	atp adj ctp adj2 trna adj nucleotidyltransferase or nucleotidyltransferase or ccal	344

END OF SEARCH HISTORY

? d s

Set	Items	Description
S1	464881	S CANDIDA OR ASPERGILLUS
S2	578	S TRNA (W) ADENYLYLTRANSFERASE OR TRNA (W) ADENYLTRANSFERASE OR TRNA (W) NUCLEOTIDYLTRANSFERASE OR CCA1 OR CCA1P OR EC (W) 2.7.7.25
S3	9	S S1 AND S2
S4	2	RD (unique items)
S5	795203	S YEAST
S6	1952697	S FUNGI OR FUNGUS OR FUNGAL
S7	64	S S2 AND S5
S8	29	RD (unique items)
S9	55	S S2 AND S6
S10	25	RD (unique items)

? s au=vousden, katherine or vousden katherine or vousden, ka or vousden ka

1	AU=VOUSDEN, KATHERINE
0	VOUSDEN KATHERINE
0	VOUSDEN, KA
0	VOUSDEN KA

S11 1 S AU=VOUSDEN, KATHERINE OR VOUSDEN KATHERINE OR VOUSDEN, KA
OR VOUSDEN KA

? t s11/medium/all

11/3/1 (Item 1 from file: 399) [Links](#)

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CA SEARCH(R)

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141133561 CA: 141(9)133561k JOURNAL

Rhodanine-3-acetic acid derivatives as inhibitors of fungal protein mannosyl transferase 1 (PMT1)

Author: Orchard, Michael G.; Neuss, Judi C.; Galley, Carl M. S.; Carr, Andrew; Porter, David W.; Smith, Phillip; Scopes, David I. C.; Haydon, David; Vousden, Katherine; Stubberfield, Colin R.; Young, Kate; Page, Martin

Location: Department of Medicinal Chemistry, Abingdon Science Park, Abingdon, UK, OX14 4YS

Journal: Bioorg. Med. Chem. Lett.

Date: 2004

Volume: 14 **Number:** 15 **Pages:** 3975-3978

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ISSN: 0960-894X

Publisher Item Identifier: 0960-894X(04)00700-0

Language: English

Publisher: Elsevier Science B.V.

Untitled

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? s cca1 or trna(1w)nucleotidyltransferase or atp (1w)ctp (1w) trna (1w)
nuleotidyltransferase
    110 CCA1
    34378 TRNA
    1917 NUCLEOTIDYLTRANSFERASE
    252 TRNA(1w)NUCLEOTIDYLTRANSFERASE
    188950 ATP
    5912 CTP
    34378 TRNA
    0 NULEOTIDYLTRANSFERASE
    0 ATP(1w)CTP(1w)TRNA(1w)NULEOTIDYLTRANSFERASE
s1    349 CCA1 OR TRNA(1w)NUCLEOTIDYLTRANSFERASE OR ATP (1w)CTP
      (1w) TRNA (1w) NULEOTIDYLTRANSFERASE
? s fungus or fungi or fungal
    103429 FUNGUS
    62005 FUNGI
    136380 FUNGAL
s2    247347 FUNGUS OR FUNGI OR FUNGAL
? s s1 and s2
    349 S1
    247347 S2
s3    29 S1 AND S2
? s anti(1w)fungal or fungal(1w)inhibitor
    957610 ANTI
    136380 FUNGAL
    1106 ANTI(1w)FUNGAL
    136380 FUNGAL
    700769 INHIBITOR
    52 FUNGAL(1w)INHIBITOR
s4    1158 ANTI(1w)FUNGAL OR FUNGAL(1w)INHIBITOR
? s1 and s4
    6661969 1
    1158 S4
s5    435 1 AND S4
? s s1 and s4
    349 S1
    1158 S4
s6    0 S1 AND S4

? ? s yeast or saccharomyces (w) cerevisiae or s(w) cerevisiae or s(w)pombe or
schizosaccharomyces (w) pombe
Processing
    172971 YEAST
    123358 SACCHAROMYCES
    116890 CEREVISIAE
    115710 SACCHAROMYCES(w)CEREVISIAE
    6598619 S
    116890 CEREVISIAE
    34017 S(w)CEREVISIAE
    6598619 S
    11202 POMBE
    5097 S(w)POMBE
    12158 SCHIZOSACCHAROMYCES
    11202 POMBE
    10780 SCHIZOSACCHAROMYCES(w)POMBE
s7    220606 YEAST OR SACCHAROMYCES (w) CEREVISIAE OR S(w) CEREVISIAE
      OR S(w)POMBE OR SCHIZOSACCHAROMYCES (w) POMBE
? s s1 and s7
    349 S1

```

Untitled

	220606	S7
S8	71	S1 AND S7
? s rd s8		
S9	0	RD S8
? rd s8		
S10	47	RD S8 (unique items)
? t/medium,k/all		

Untitled

09065202 PMID: 1774153

Characteristics of the inhibition and metabolic inactivation of the yeast tRNA nucleotidyl transferase.

Navarro M A; Heredia C F

Instituto de Investigaciones Biomedicas del C.S.I.C. Facultad de Medicina, U.A.M., Madrid.

Italian journal of biochemistry (ITALY) Sep-Oct 1991, 40 (5) p295-303, ISSN 0021-2938--Print Journal Code: 0376564

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1. Yeast tRNA nucleotidyl transferase is inhibited by low molecular weight compounds present in cell-free extracts. The inhibition produced by the main component(s) is competitive with respect to ATP and is not prevented by metal chelating agents. The major component(s) has been partially purified. It is resistant to heat (90 degrees C, 5 min) and insensitive to digestion by alkaline phosphatase, snake venom phosphodiesterase and inorganic pyrophosphatase, indicating that it is not a nucleotide. 2. Besides the masking of the transferase activity in the crude extracts by the inhibitors, the enzyme is inactivated in nitrogen starved cells. The inactivation also occurs in yeast mutants lacking several proteases and is not prevented by inhibitors of yeast proteases. These results rule out extracellular proteolysis as the cause of inactivation and strength our previous observations on the metabolic inactivation of the transferase in response to nitrogen starvation.

Descriptors: *Fungal Proteins--antagonists and inhibitors--AI; *RNA Nucleotidyltransferases--antagonists and inhibitors--AI; *Saccharomyces cerevisiae --enzymology--EN; Adenosine Triphosphate--metabolism--ME; Cell-Free System; Nitrogen--metabolism--ME; Research Support, Non-U.S. Gov't

CAS Registry No.: 0 (Fungal Proteins); 56-65-5 (Adenosine Triphosphate); 7727-37-9 (Nitrogen)

Enzyme No.: EC 2.7.7. (RNA Nucleotidyltransferases); EC 2.7.7.- (tRNA nucleotidyltransferase)

Record Date Created: 19920304

Record Date Completed: 19920304

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